



SAYBOLT LP
400 Swenson Drive
Kenilworth, New Jersey 07033
(908) 245-3100 (24 Hour)

Date: January 30, 2004
Job No: 13031-0401079

LABORATORY CERTIFICATE OF ANALYSIS

Client:	SPRAGUE	Lab Reference No:	0104-2305
Vessel:	Shore Tanks 6 & 15 after B-105	Date Taken:	January 24, 2004
Terminal/Port:	SPRAGUE RENSSELAER, NY	Date Tested:	January 27, 2004
Sample Designated As:	#6 FUEL OIL		
Drawn By:	SAYBOLT INSPECTOR		

Test	Units	Method	Result Tk 6	Tk. 15
Gravity API	@ 60 Deg. F.	ASTM D-4052	15.5	12.2
Flash Point	Deg. F.	ASTM D-93B	200+	194
Ash,	Weight %	ASTM D-482	0.043	0.053
Pour Point	Deg. C / Deg. F	ASTM D-97	3 / 37	3 / 37
Sulfur, X-Ray	Weight %	ASTM D4294	0.481	1.88
Viscosity, KIN CST @ 122 F.	Deg. F.	ASTM D-445	185.7	508.8
Viscosity, KIN SSF @ 122 F.	Deg. F.	ASTM D-445	88.2	240
Water & Sediment (BS&W)	Volume %	ASTM D-1796	0.2	0.2
Water by Distillation	Volume %	ASTM D-95	0.40	<0.1
Sediment by Extraction	Weight %	ASTM D-473	0.041	0.041
Carbon Residue, Conradson	Weight %	ASTM D-189	8.42	12.2
Nitrogen	Weight %	ASTM D-5792	0.319	0.440
B.T.U. Value (Gross)	BTU/LB	ASTM D-240	18481	18227
B.T.U. Value (Gross)	BTU/GAL	ASTM D-240	148144	149890
Asphaltenes	Weight %	IP-143	2.7	7.5
Sodium, ppm		SOL/DOL	14	15.0
Vanadium,		SOL/DOL	12	110
<p>*End of Analysis*</p> <p>SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.</p>				

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FAST TO THE POINT.

Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D-3244 (except for analysis of RFG), IP-367 and appendix E of IP standard methods for analysis & testing with respect to the utilization of test data to determine conformance with specifications.

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